

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently Amended) A wireless communications device comprising:

a transmitter configured to transmit a query to a destination communication device, the query being about packet sizes that are recognizable by the destination communication device;

a receiver configured to receive a response to the query from the destination communication device, the response indicating the packet sizes that are recognizable by the destination communication device;

a determining device configured to select an appropriate packet size for transmission data to be packetized, the appropriate packet size being selected according to:

data communication rates for packets previously transmitted to the destination communication device; [[and:]]

the response indicating the packet sizes that are recognizable by the destination communication device; and

packet sizes among the packet sizes that are recognizable by the destination communication device that can be transmitted by the wireless communication device; or

a retransmission request that occurs in response to detecting a communication error or traffic congestion on a communication link established between the wireless communications device and the

destination communication device, the retransmission request occurring while packets are being transmitted, wherein the appropriate packet size is smaller than the packet sizes that are recognizable by the destination communication device [[or]] and sizes of packets previously transmitted to the destination communication device; and

a packet generator configured to packetize the transmission data based on the appropriate packet size determined by the determining device.

2. (Cancelled)

3. (Cancelled)

4. (Previously Presented) The wireless communications device according to claim 1, further comprising:

a storage device configured to store information with respect to the packet sizes that are recognizable by the destination communication device.

5. (Cancelled)

6. (Cancelled)

7. (Currently Amended) A method for determining packet sizes for transmission data to be packetized and transmitted from a communication terminal device to a destination communication device, the method comprising:

transmitting a query to the destination communication device, the query being about packet sizes that are recognizable by the destination communication device;

receiving a response to the query from the destination communication device, the response indicating the packet sizes that are recognizable by the destination communication device;

selecting an appropriate packet size for transmission data to be packetized, the appropriate packet size being selected according to:

data communication rates for packets previously transmitted to the destination communication device; [[and:]]

the response indicating the packet sizes that are recognizable by the destination communication device; and

packet sizes among the packet sizes that are recognizable by the destination communication device that can be transmitted by the communication terminal device; or

a retransmission request that occurs in response to detecting a communication error or traffic congestion on a communication established between the communication terminal device and the destination communication device, the retransmission request occurring while packets are being transmitted, wherein the appropriate packet size is smaller than the packet sizes that are recognizable by the destination communication device [[or]] and sizes of the packets previously transmitted to the destination communication device; and

packetizing the transmission data according to the appropriate packet size selected.

8. (Previously Presented) The method according to Claim 7, further comprising transmitting the packetized transmission data from the communication terminal device to the destination communication device.

9. (Previously Presented) The method according to Claim 7, further comprising determining whether information regarding the packet sizes recognizable by the destination communication device is stored in a memory of the communication terminal device.

10. (Currently Amended) The method according to Claim 8, further comprising:

receiving, after the transmitting, a retransmission request requesting a different packet size that reduces the amount of transmission data based upon the data communication rates for packets previously transmitted to the destination communication device;

repacketizing the transmission data into a different packet size according to the retransmission request; and

transmitting the repacketized transmission data to the destination communication device.

11. (Cancelled)

12. (Currently Amended) An article of manufacture including a non-transitory computer-readable medium encoded with instructions, execution of which by a computing device cause the computing device to perform operations comprising:

transmitting a query to a destination communication device, the query directed to packet sizes that are recognizable by the destination communication device;

receiving a response to the query from the destination communication device, the response indicating the packet sizes that are recognizable by the destination communication device;

selecting an appropriate packet size for transmission data to be packetized, the appropriate packet size being selected according to:

data communication rates for packets previously transmitted to the destination communication device; [[and:]]

the response indicating to the packet sizes that are recognizable by the destination communication device; and

packet sizes among the packet sizes that are recognizable by the destination communication device that can be transmitted by the computing device; or

a retransmission request that occurs in response to detecting a communication error or traffic congestion on a communication link established between the computing device and the destination communication device, the retransmission request occurring while packets are being transmitted, wherein the appropriate packet size is

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smaller than the packet sizes that are recognizable by the destination communication device ~~[[or]]~~ and sizes of the packets previously transmitted to the destination communication device; and
packetizing the transmission data according to the appropriate packet size selected.

13. (Previously Presented) The article of manufacture according to Claim 12, the operations further comprising:

transmitting the packetized transmission data to the destination communication device.

14. (Currently Amended) The article of manufacture according to Claim 13, the operations further comprising:

receiving, after the transmitting, a retransmission request requesting a different packet size that reduces the amount of transmission data based upon the data communication rates for packets previously transmitted to the destination communication device;

repacketizing the transmission data into a different packet size according to the retransmission request; and

transmitting the repacketized transmission data to the destination communication device.

15. (Previously Presented) The article of manufacture according to Claim 12, the operations further comprising:

determining whether information regarding the packet sizes recognizable by the destination communication device is stored in a memory.

16. (Currently Amended) A communication terminal device configured to determine packet sizes for transmission data to be packetized and transmitted to a destination communication device, the communication terminal device comprising:

a transmitter configured to transmit a query to the destination communication device, the query being about packet sizes that are recognizable by the destination communication device;

means for receiving a response to the query from the destination communication device, the response indicating packet sizes that are recognizable by the destination communication device;

means for selecting an appropriate packet size for transmission data to be packetized, the appropriate packet size being selected according to:

data communication rates for packets previously transmitted to the destination communication device; [[and:]]

the response corresponding to the packet sizes that are recognizable by the destination communication device; and

packet sizes among the packet sizes that are recognizable by the destination communication device that can be transmitted by the communication terminal device; or

a retransmission request that occurs in response to detecting a communication error or traffic congestion on a communication link established between the communication terminal device and the

destination communication device occurring while packets are being transmitted, wherein the appropriate packet size is smaller than the packet sizes that are recognizable by the destination communication device [[or]] and sizes of the packets previously transmitted to the destination communication device; and

means for packetizing the transmission data according to the appropriate packet size selected.

17. (Cancelled)

18. (Previously presented) The communication terminal device of claim 16, further comprising:

means for storing information with respect to the packet sizes that are recognizable by the destination communication device.

19. (Cancelled)

20. (Previously Presented) The wireless communication device according to Claim 1, wherein the determining device is configured to perform the selecting of the appropriate packet size according to one or more of a status of transmission data received by the wireless communications device or current traffic congestion of a communication link that the transmission data is to be transmitted over.

21. (Previously Presented) The method according to Claim 7, wherein the selecting the appropriate packet size comprises selecting according to one or more of a status of transmission data received by the communication terminal device or current traffic congestion of a communication link that the transmission data is to be transmitted over.

22. (Previously Presented) The article of manufacture according to Claim 12, wherein the selecting the appropriate packet size comprises selecting according to one or more of a status of transmission data received by the computing device or current traffic congestion of a communication link that the transmission data is to be transmitted over.

23. (Previously Presented) The communication terminal device of Claim 16, wherein the means for selecting the appropriate packet size selects according to one or more of a status of transmission data received by the computing device or current traffic congestion of a communication link that the transmission data is to be transmitted over.